

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

JUN 13 1988

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of) Docket Nos. 50-327
Tennessee Valley Authority) 50-328

SEQUOYAH NUCLEAR PLANT (SQN) UNITS 1 AND 2 - METEOROLOGICAL DATA TAPE

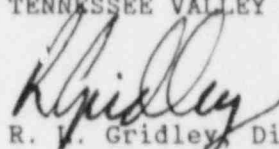
In a letter from G. G. Zech to S. A. White dated January 4, 1988, NRC requested that TVA provide an annual hourly meteorological data tape of onsite observation at SQN. In response to that request, the meteorological data tape was provided to NRC by a letter dated March 7, 1988.

Subsequent discussions between our staffs have indicated that NRC has been unable to read the labeled ASCII-format tape that we provided. In accordance with a telephone discussion with Joseph Levine of your staff on May 3, 1988, enclosed is a replacement meteorological data tape for SQN for the period January 1 to December 31, 1985, in the unlabeled EBCDIC format that was requested by Mr. Levine. The unlabeled EBCDIC format for meteorological data tapes was not specified in NRC's January 4, 1988 letter. We request that you return the labeled ASCII-format tape that was provided with our March 7, 1988 letter.

If you have any questions or if we can be of further assistance, please telephone Gary Hartman at (615) 751-2699.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



R. W. Gridley, Director
Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

TERS
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TAPE SENT TO
WAYNE MEINKE

8806200017 880613
PDR ADOCK 05000327
F RCD

JUN 13 1988

U.S. Nuclear Regulatory Commission

cc: Mr. K. P. Barr, Acting Assistant Director
for Inspection Programs
TVA Projects Division
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. G. G. Zech, Assistant Director
for Projects
TVA Projects Division
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

Sequoyah Resident Inspector
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37379

MAGNETIC TAPE METEOROLOGICAL DATA

LOCATION: Sequoyah Nuclear Plant

DATE OF DATA RECORD: January 1 - December 31, 1985

I6 Identifier (can be anything)
I2 Year
I3 Julian Day
I4 Hour (on 24-hour clock)

| | | <u>ACCURACY</u> |
|-------------|-------------------------------------------------------|-----------------|
| <u>F5.1</u> | Upper Measurements: Level = <u>90.8</u> meters | _____ |
| <u>F5.1</u> | Wind Direction (degrees) | _____ |
| <u>F5.1</u> | Wind Speed (meter/sec) | _____ |
| <u>F5.1</u> | Sigma Theta (degrees) | _____ |
| <u>F5.1</u> | Ambient Temperature (°C) | _____ |
| <u>F5.1</u> | Moisture: _____ | _____ |
| <u>F5.1</u> | Other: _____ | _____ |
| <u>F5.1</u> | Intermediate Measurements: Level = <u>46.0</u> meters | _____ |
| <u>F5.1</u> | Wind Direction (degrees) | _____ |
| <u>F5.1</u> | Wind Speed (meters/sec) | _____ |
| <u>F5.1</u> | Sigma Theta (degrees) | _____ |
| <u>F5.1</u> | Ambient Temperature (°C) | _____ |
| <u>F5.1</u> | Moisture: _____ | _____ |
| <u>F5.1</u> | Other: _____ | _____ |
| <u>F5.1</u> | Lower Measurements: Level = <u>9.3</u> meters | _____ |
| <u>F5.1</u> | Wind Direction (degrees) | _____ |
| <u>F5.1</u> | Wind Speed (meters/sec) | _____ |
| <u>F5.1</u> | Sigma Theta (degrees) | _____ |
| <u>F5.1</u> | Ambient Temperature (°C) | _____ |
| <u>F5.1</u> | Moisture: _____ | _____ |
| <u>F5.1</u> | Other: <u>Dewpoint Temperature</u> (°C) | _____ |

MAGNETIC TAPE METEOROLOGICAL DATA (Continued)

| | | |
|-------------|--------------------------------------------------|-------|
| <u>F5.1</u> | Temp. Diff. (Upper-Lower) (°C/100 meters) | _____ |
| <u>F5.1</u> | Temp. Diff. (Upper-Intermediate) (°C/100 meters) | _____ |
| <u>F5.1</u> | Temp. Diff. (Intermediate-Lower) (°C/100 meters) | _____ |
| <u>F5.1</u> | Precipitation (mm) | _____ |
| <u>F5.2</u> | Solar Radiation (cal/cm ² /min) | _____ |
| <u>F5.1</u> | Visibility (km) | _____ |
| <u>F5.1</u> | Other: _____ | _____ |
| <u>F5.1</u> | Other: _____ | _____ |

SEABOARD NUCLEAR PLANT - PERIOD OF RECORD JANUARY - DECEMBER 1985.

METEOLOGICAL TOWER LOCATED 137.35-13-11N LONG. 95-05-04W-29.8 DEGREES. 1.1KM FROM PLANT.
 THREE LEVELS OF DATA WIND SENSORS ARE 91.44 TO 50X 9.25 METERS ABOVE GROUND. TEMPERATURE SENSORS ARE 90.79X 45.99 5 9.25 METERS 4
 CEILING TEMPERATURE(CEG. C) INCLUDED IN OTHER FIELD AT THE 9.3 METER LEVEL.

| | | | | | | | | | | | | | | | | | | | |
|-----|-------|-----|------|-----|-----|-----|-----|------|----|-----|-----|----|------|----|-----|-----|-----|-----|-----|
| 185 | 1 100 | 908 | 1930 | 99 | 70 | 134 | 460 | 1890 | 95 | 100 | 187 | 93 | 1790 | 50 | 210 | 188 | 126 | -5 | -7 |
| 185 | 1 200 | 908 | 1910 | 79 | 90 | 179 | 460 | 1850 | 58 | 110 | 182 | 93 | 1710 | 39 | 210 | 183 | 126 | -5 | -4 |
| 185 | 1 300 | 908 | 1890 | 79 | 90 | 176 | 460 | 1830 | 61 | 100 | 179 | 93 | 1750 | 41 | 190 | 180 | 125 | -6 | -7 |
| 185 | 1 400 | 908 | 1935 | 84 | 90 | 174 | 460 | 1900 | 69 | 110 | 177 | 93 | 1820 | 38 | 220 | 178 | 126 | -6 | -6 |
| 185 | 1 500 | 908 | 1910 | 101 | 100 | 174 | 460 | 1860 | 65 | 100 | 177 | 93 | 1740 | 50 | 200 | 179 | 127 | -6 | -7 |
| 185 | 1 600 | 908 | 1930 | 114 | 70 | 173 | 460 | 1690 | 97 | 110 | 175 | 93 | 1650 | 52 | 230 | 174 | 120 | -7 | -7 |
| 185 | 1 700 | 908 | 1940 | 97 | 96 | 171 | 460 | 1920 | 83 | 120 | 174 | 93 | 2010 | 45 | 230 | 173 | 131 | -6 | -7 |
| 185 | 1 800 | 908 | 1930 | 53 | 80 | 166 | 460 | 1950 | 71 | 100 | 171 | 93 | 2000 | 32 | 230 | 173 | 131 | -7 | -7 |
| 185 | 1 900 | 908 | 1980 | 56 | 70 | 170 | 460 | 1940 | 75 | 110 | 174 | 93 | 1900 | 41 | 210 | 176 | 133 | -7 | -8 |
| 185 | 11000 | 908 | 1940 | 99 | 80 | 169 | 460 | 1910 | 94 | 100 | 171 | 93 | 1910 | 40 | 220 | 174 | 135 | -6 | -5 |
| 185 | 11100 | 908 | 1950 | 90 | 70 | 165 | 460 | 1920 | 74 | 110 | 167 | 93 | 1890 | 40 | 210 | 170 | 144 | -6 | -6 |
| 185 | 11200 | 908 | 1970 | 101 | 70 | 166 | 460 | 1930 | 75 | 100 | 170 | 93 | 1900 | 47 | 220 | 172 | 144 | -6 | -6 |
| 185 | 11300 | 908 | 1970 | 95 | 60 | 165 | 460 | 1940 | 70 | 90 | 166 | 93 | 1930 | 36 | 220 | 168 | 151 | -5 | -6 |
| 185 | 11400 | 908 | 2070 | 91 | 70 | 169 | 460 | 2090 | 50 | 90 | 164 | 93 | 2200 | 27 | 210 | 164 | 146 | -1 | -2 |
| 185 | 11500 | 908 | 2150 | 55 | 50 | 157 | 460 | 2120 | 45 | 70 | 158 | 93 | 2140 | 23 | 170 | 159 | 148 | -3 | -4 |
| 185 | 11600 | 908 | 2310 | 49 | 70 | 157 | 460 | 2130 | 29 | 100 | 158 | 93 | 2070 | 16 | 170 | 159 | 142 | -3 | -3 |
| 185 | 11700 | 908 | 2330 | 48 | 70 | 148 | 460 | 2420 | 32 | 100 | 152 | 93 | 3330 | 18 | 170 | 152 | 147 | -6 | -7 |
| 185 | 11600 | 908 | 2350 | 55 | 60 | 125 | 460 | 2310 | 44 | 100 | 129 | 93 | 3200 | 27 | 180 | 151 | 132 | -7 | -9 |
| 185 | 11900 | 908 | 3460 | 47 | 100 | 107 | 460 | 3450 | 39 | 130 | 111 | 93 | 3430 | 26 | 190 | 114 | 106 | -7 | -9 |
| 185 | 12000 | 908 | 3530 | 55 | 70 | 93 | 460 | 3510 | 49 | 90 | 97 | 93 | 3520 | 31 | 160 | 100 | 90 | -7 | -9 |
| 185 | 12100 | 908 | 3520 | 53 | 70 | 92 | 460 | 3490 | 55 | 60 | 86 | 93 | 3500 | 35 | 170 | 90 | 79 | -9 | -9 |
| 185 | 12200 | 908 | 3520 | 53 | 00 | 50 | 460 | 3580 | 51 | 80 | 77 | 93 | 40 | 32 | 150 | 80 | 70 | -10 | -10 |
| 185 | 12300 | 908 | 3520 | 54 | 70 | 65 | 460 | 3470 | 47 | 80 | 69 | 93 | 3490 | 30 | 170 | 73 | 61 | -10 | -9 |
| 185 | 12400 | 908 | 3420 | 45 | 90 | 59 | 460 | 3380 | 39 | 120 | 63 | 93 | 3390 | 25 | 200 | 67 | 58 | -10 | -10 |
| 185 | 2 100 | 908 | 3470 | 40 | 80 | 51 | 460 | 3580 | 31 | 110 | 49 | 93 | 3470 | 24 | 200 | 59 | 47 | -10 | -10 |
| 185 | 2 200 | 908 | 3470 | 40 | 80 | 45 | 460 | 3580 | 31 | 110 | 49 | 93 | 350 | 21 | 190 | 53 | 41 | -9 | -9 |
| 185 | 2 300 | 908 | 3560 | 49 | 90 | 42 | 460 | 3540 | 41 | 120 | 46 | 93 | 3600 | 27 | 190 | 50 | 44 | -10 | -10 |
| 185 | 2 400 | 908 | 3580 | 50 | 37 | 37 | 460 | 3550 | 52 | 80 | 42 | 93 | 350 | 32 | 160 | 40 | 36 | -10 | -10 |
| 185 | 2 500 | 908 | 3560 | 57 | 60 | 32 | 460 | 3520 | 51 | 90 | 35 | 93 | 3490 | 32 | 160 | 40 | 29 | -10 | -10 |
| 185 | 2 600 | 908 | 3560 | 44 | 80 | 30 | 460 | 3510 | 39 | 90 | 35 | 93 | 3540 | 25 | 160 | 39 | 30 | -11 | -10 |
| 185 | 2 700 | 908 | 3470 | 30 | 57 | 70 | 460 | 3580 | 49 | 90 | 34 | 93 | 350 | 31 | 150 | 38 | 30 | -11 | -10 |
| 185 | 2 800 | 908 | 350 | 58 | 70 | 29 | 460 | 3580 | 51 | 80 | 34 | 93 | 350 | 33 | 160 | 38 | 29 | -11 | -10 |
| 185 | 2 900 | 908 | 3560 | 10 | 48 | 60 | 460 | 3570 | 45 | 80 | 38 | 93 | 3590 | 28 | 150 | 42 | 31 | -12 | -11 |
| 185 | 21000 | 908 | 100 | 58 | 50 | 37 | 460 | 3570 | 45 | 80 | 42 | 93 | 350 | 35 | 160 | 47 | 36 | -12 | -11 |
| 185 | 21100 | 908 | 150 | 51 | 80 | 42 | 460 | 140 | 47 | 90 | 47 | 93 | 200 | 32 | 150 | 52 | 40 | -13 | -11 |
| 185 | 21200 | 908 | 150 | 40 | 80 | 43 | 460 | 140 | 46 | 110 | 53 | 93 | 200 | 35 | 170 | 59 | 44 | -13 | -12 |
| 185 | 21300 | 908 | 3540 | 63 | 70 | 46 | 460 | 3540 | 56 | 90 | 51 | 93 | 3540 | 35 | 170 | 56 | 44 | -13 | -11 |
| 185 | 21400 | 908 | 3560 | 53 | 90 | 43 | 460 | 3540 | 51 | 110 | 48 | 93 | 350 | 33 | 190 | 53 | 35 | -12 | -11 |
| 185 | 21500 | 908 | 3560 | 65 | 60 | 41 | 460 | 520 | 55 | 90 | 46 | 93 | 3520 | 34 | 160 | 50 | 33 | -11 | -10 |
| 185 | 21600 | 908 | 200 | 63 | 80 | 41 | 460 | 160 | 55 | 100 | 46 | 93 | 170 | 35 | 150 | 51 | 33 | -11 | -10 |
| 185 | 21700 | 908 | 240 | 72 | 70 | 41 | 460 | 260 | 64 | 90 | 45 | 93 | 220 | 42 | 130 | 50 | 32 | -11 | -10 |
| 185 | 21800 | 908 | 120 | 63 | 80 | 38 | 460 | 110 | 55 | 100 | 42 | 93 | 110 | 36 | 150 | 46 | 26 | -10 | -10 |
| 185 | 21900 | 908 | 110 | 64 | 80 | 38 | 460 | 70 | 56 | 90 | 42 | 93 | 100 | 37 | 150 | 46 | 27 | -10 | -9 |
| 185 | 22000 | 908 | 110 | 74 | 80 | 35 | 460 | 80 | 64 | 80 | 40 | 93 | 130 | 38 | 140 | 46 | 26 | -10 | -9 |
| 185 | 22100 | 908 | 220 | 66 | 150 | 37 | 460 | 190 | 57 | 90 | 42 | 93 | 190 | 37 | 140 | 45 | 26 | -10 | -9 |
| 185 | 22200 | 908 | 150 | 54 | 220 | 39 | 460 | 130 | 46 | 90 | 43 | 93 | 120 | 28 | 130 | 47 | 29 | -10 | -9 |
| 185 | 22300 | 908 | 225 | 63 | 190 | 38 | 460 | 160 | 55 | 80 | 42 | 93 | 170 | 34 | 130 | 46 | 28 | -10 | -9 |
| 185 | 22400 | 908 | 300 | 73 | 70 | 38 | 460 | 260 | 69 | 80 | 42 | 93 | 170 | 47 | 110 | 43 | 28 | -10 | -9 |
| 185 | 3 100 | 908 | 320 | 91 | 60 | 35 | 460 | 280 | 82 | 60 | 39 | 93 | 300 | 56 | 90 | 43 | 30 | -10 | -9 |
| 185 | 3 200 | 908 | 250 | 76 | 90 | 35 | 460 | 210 | 82 | 80 | 38 | 93 | 230 | 52 | 110 | 42 | 33 | -9 | -8 |
| 185 | 3 300 | 908 | 250 | 89 | 80 | 36 | 460 | 190 | 75 | 80 | 40 | 93 | 220 | 47 | 120 | 43 | 34 | -6 | -8 |
| 185 | 3 400 | 908 | 240 | 84 | 60 | 35 | 460 | 190 | 73 | 80 | 40 | 93 | 210 | 46 | 110 | 43 | 34 | -6 | -8 |
| 185 | 3 500 | 908 | 240 | 86 | 70 | 35 | 460 | 250 | 79 | 70 | 40 | 93 | 230 | 53 | 100 | 43 | 40 | -9 | -8 |
| 185 | 3 600 | 908 | 240 | 86 | 60 | 33 | 460 | 240 | 76 | 80 | 42 | 93 | 250 | 50 | 110 | 45 | 48 | -9 | -8 |
| 185 | 3 700 | 908 | 430 | 89 | 80 | 36 | 460 | 230 | 75 | 80 | 42 | 93 | 240 | 51 | 110 | 45 | 44 | -9 | -8 |
| 185 | 3 800 | 908 | 240 | 84 | 100 | 36 | 460 | 190 | 72 | 80 | 42 | 93 | 200 | 47 | 120 | 45 | 44 | -9 | -8 |
| 185 | 3 900 | 908 | 240 | 84 | 50 | 36 | 460 | 250 | 82 | 80 | 40 | 93 | 240 | 54 | 110 | 44 | 44 | -9 | -8 |
| 185 | 31000 | 908 | 300 | 94 | 60 | 35 | 460 | 270 | 75 | 80 | 40 | 93 | 270 | 51 | 100 | 44 | 43 | -10 | -9 |
| 185 | 31100 | 908 | 110 | 84 | 60 | 35 | 460 | 250 | 74 | 80 | 43 | 93 | 250 | 49 | 110 | 47 | 45 | -10 | -10 |